



AMENDMENTS TO THE SPECIFICATION:

Please replace Paragraph [0043] with amended paragraph [0043]:

[0043] FIG. 2 illustrates a communication network 200 in an exemplary embodiment of the invention. Communication network 202 includes a plurality of conforming emergency systems (CES) 201-202, a packet network ~~210~~ 210a, and an emergency services network 220. Emergency services network 220 includes a plurality of response gateways 221-223 and a plurality of emergency services 231-122. CESs 201-2-2 and response gateways 221-223 are connected to packet network ~~210~~ 210a. Emergency services 231-233 are shown as connected to packet network ~~210~~ 210b, but emergency services 231-233 may be connected to response gateways 221-223 over a network other than a packet network. Communication network 200 may include other devices, resources, or systems not shown in FIG. 2 for the sake of brevity. FIG. ~~2A~~ 2 is intended to illustrate communications network 200 in a more functional manner than a physical manner. Depending on the embodiment, response gateway 221 may be part of CES 201, may be part of emergency services 231-233, or an independent system.

Please replace Paragraph [0045] with amended paragraphs [0045] and [0045.1]:

[0045] A packet network comprises any network that transports messages in the form of packets or cells. Examples of a packet network include an Internet Protocol (IP) network, a frame relay network, an X.25 network, an Asynchronous Transfer Mode (ATM) network, etc. Packet networks 210a and 210b are illustrated herein as separate networks. Packet networks 210a and 210b may be two isolated networks, may be two networks that communicate with each other via, for, example a gateway (not shown but well known in the art) or may be two parts of a single network.

[0045.1] A response gateway comprises any system, server, or equipment configured to communicate with a conforming emergency system via a media channel over a packet network, and interface the conforming emergency system with emergency services of an emergency services network. A media channel comprises any communication path or paths (logical, virtual, or otherwise) over a transport network configured to transport data such as streaming video, streaming audio, voice, graphics,

text data, binary data, executable instructions or scripts, etc. A media channel is not a physical or logical point-to-point dedicated connection over a transport network. The media channel may transport control messages or may operate in conjunction with a separate control channel.

Please replace paragraph [0047] with amended paragraph [0047]:

[0047] CES 201 may connect with any one of response gateways 221-223 over packet network ~~210~~ 210a to interface with emergency services network 220. Similarly, CES 202 may connect with any one of response gateways 221-223 over packet network ~~210~~ 210a to interface with emergency services network 220. CESs 201-202 are not each connected to a pair of ALI databases by dedicated point-to-point connections as in the prior art. The interface between the CESs 201-202 and emergency services network 220 is described as follows.

Please replace paragraph [0052] with amended paragraph [0052]:

[0052] FIG. 4 is a flow chart illustrating a method 400 for dynamically establishing a media channel between CES 201 and one of the response gateways 221-223 in FIG. 2 in an exemplary embodiment of the invention. In step 402, CES 201 transmits a request message for a media channel to packet network ~~210~~ 210a. A selected one of the response gateways 221-223 (assume response gateway 221) in emergency services network 220 receives the request message, in step 404. CES 201, response gateways 221-223, or another system may include selection logic (not shown) or an algorithm for selecting response gateway 221. In transmitting the request message to packet network ~~210~~ 210a, CES 201 may transmit the request message to response gateway 221 or to another system. Also in step 404, response gateway 221 responds to the request message to dynamically establish the media channel between CES 201 and

response gateway 221. CES 201 and response gateway 221 may then exchange messages over the media channel in step 408. The exchanged messages may include the information from emergency services 231-233 as described in FIG. 3.

Please replace paragraph [0053] with amended paragraph [0053]:

[0053] In responding to the request message, response gateway 221 may transmit a response message to packet network ~~210~~ 210a. The response message indicates an acceptance of the media channel, indicates the acceptance of parameters of the media channel, or otherwise indicates that response gateway 221 is available and capable of handling the media channel. Response gateway 221 may also negotiate parameters of the media channel before transmitting the response message. In transmitting the response message to packet network ~~210~~ 210a, response gateway 221 may transmit the response message to CES 201 or to another system. Responsive to receiving the response message, CES 201 initiates a process to dynamically establish the media channel. One example of a process initiated by CES 201 is setting up a Secure Sockets Layer (SSL) TCP/IP interface.

Please replace paragraph [0055] with amended paragraph [0055]:

In other embodiments, one of the response gateways 221-223 may initiate the setup of a media channel with CES 201. In such a case, a response gateway (assume response gateway 223) transmits a request message for a media channel to packet network ~~210~~ 210a. CES 201 receives the request message and responds to the request message to dynamically establish the media channel. CES 201 and response gateway 223 may then exchange messages over the media channel.

Please replace paragraph [0056] with amended paragraph [0056]:

[0056] In responding to the request message, CES 201 may transmit a response message to packet network ~~210~~ 210a responsive to receiving the request message. The response message indicates an acceptance of the media channel, indicates the acceptance of parameters of the media channel, or otherwise indicates that CES 201 is available and capable of handling the media channel. CES 201 may also negotiate parameters of the media channel before transmitting the response message. Responsive to receiving the response message, response gateway 223 initiates a process to dynamically establish the media channel.

Please replace paragraph [0059] with amended paragraph [0059]:

[0059] FIG. 5 illustrates communication network 200 further including a channel setup system 502 in an exemplary embodiment of the invention. Channel setup system 502 is connected to packet network ~~210~~ 210a. Channel setup system 502 comprises any system or server configured to assist in the setup of a media channel over packet network ~~210~~ 210a. Examples of channel setup system 502 include a Session Initiation Protocol (SIP) server and a SIP proxy.

Please replace paragraph [0060] with amended paragraph [0060]:

[0060] FIG. 6 is a flow chart illustrating a method 600 for dynamically establishing a media channel using channel setup system 502 in an exemplary embodiment of the invention. In step 602, CES 201 transmits a request message for a media channel to packet network ~~210~~ 210a. Channel setup system 502 receives the request message for the media channel and selects one of the response gateways 221-223 (assume response gateway 221) in emergency services network 220 with which to

establish the media channel, in step 604. In other embodiments, channel setup system 502 or another system may generate the request message to initiate the set up of the media channel. Channel setup system 502 may include selection logic (not shown) or an algorithm for selecting one of the response gateways 221-223. Channel setup system 502 then transmits the request message for the media channel to response gateway 221 in step 606.

Please replace paragraph [0062] with amended paragraph [0062]:

[0062] In responding to the request message, response gateway 221 may transmit a response message to packet network ~~210~~ 210a. The response message indicates an acceptance of the media channel, indicates the acceptance of parameters of the media channel, or otherwise indicates that response gateway 221 is available and capable of handling the media channel. Response gateway 221 may transmit the response message directly to CES 201, or may transmit the response message to channel setup system 502 and channel setup system 502 transmits the response message to CES 201. Responsive to receiving the response message, CES 201 initiates a process to dynamically establish the media channel.

Please replace paragraph [0063] with amended paragraph [0062]:

[0063] Response gateway 221 may negotiate parameters of the media channel before transmitting the response message. If response gateway 221 and CES 201 cannot agree on parameters for the media channel, then response gateway 221 transmits a response message indicating a rejection of the media channel. Response gateway 221 may transmit the response message directly to CES 201 or may transmit the response message to CES 201 through channel setup system 502. If CES 201 receives a response

message indicating a rejection of the media channel, then CES 201 may initiate and transmit a new request message to packet network 210 210a. If channel setup system 502 receives a response message indicating a rejection of the media channel, then channel setup system 502 selects another one of the response gateways 222-223 and transmits the request message to the newly selected resource.

Please replace paragraph [0066] with amended paragraph [0066]:

[0066] In other embodiments, one of the response gateways 221-223 may initiate the setup of a media channel with CES 201. In such a case, a response gateway (assume response gateway 223) transmits a request message for a media channel to packet network 210 210a. Channel setup system 502 receives the request message and transmits the request message to CES 201. CES 201 receives the request message and responds to the request message to dynamically establish the media channel. CES 201 and response gateway 223 may then exchange messages over the media channel.

Please replace paragraph [0067] with amended paragraph [0067]:

[0067] FIG. 7 illustrates channel setup system 502 in an exemplary embodiment of the invention. Channel setup system 502 includes a processor 702, selection logic 703, and a data structure 704. Data structure 704 includes information on response gateways 221-223 of emergency services network 220, information on routing messages to systems connected to packet network 210 210a, and other information and data. For instance, data structure 704 may include information on the capacity or current load of each response gateway 221-223, information on the operational status of each response gateway (e.g., in service/out of service), information on the number of media channels per response gateway 221-223, information on security, information on the location of

each response gateway 221-223, information on the data connectivity speed of each response gateway 221-223, information on the type of protocol used by each response gateway 221-223, information on the type of response gateway 221-223, etc. Data structure 704 may include much more information than that which is described. Each response gateway 221-223 may update channel setup system 502 as to information on that response gateway.

Please replace paragraph [0069] with amended paragraph [0069]:

[0069] FIG. 8 illustrates communication network 200 further including an Service/Name Resolution (SNR) system 800 in an exemplary embodiment of the invention. Service/Name Resolution (SNR) system 800 is connected to packet network ~~210~~ 210b. FIG. 8 shows the emergency services in emergency services network 220 as ALI database 831, Mobile Positioning Center (MPC) 832, and Emergency Auxiliary Service Provider (EASP) 833.